

IN THE CLAIMS:

Please amend the claims as follows.

1. (Currently Amended) An access control system for a wireless telecommunications system comprising:

a first base station serving a first site and operable as part of a first wireless telecommunications network;

a second base station serving a second site and operable as part of a second wireless telecommunications network;

the first and second ~~telephone~~ wireless telecommunications networks being connected together and the first and second sites being physically separate, whereby a call can be connected between the first base station and the second base station via the first wireless telecommunications network and the second wireless telecommunications network; and the access control system comprising :

a data link of which use is restricted between the first network and the second network, whereby a call may be connected between the first network and the second network; and

a first site link access control unit comprising a database for storing identities of wireless terminals at the second site for permitting calls to such terminals made at the first site to be routed from the first site to the second site over the data link.

2. (Original) An access control system according to claim 1, wherein the identities of the wireless terminals each comprise a number identifying a terminal and a corresponding second site link access control unit address.

3. (Original) An access control system according to claim 1, comprising a database for storing identities of wireless terminals at the first site for permitting calls to such terminals made at the second site to be routed from the second site to the first site over the data link.

4. (Currently Amended) An access control system for a wireless telecommunications system comprising:

a first base station and a first site access control unit for storing access information for wireless terminals permitting such terminals to make calls at the first site by means of the first base station, serving a first site and operable as part of a first wireless telecommunications network;

a second base station and a second site access control unit for storing access information for wireless terminals permitting such terminals to make calls at the second site by means of the second base station, serving a second site and operable as part of a second wireless telecommunications network;

the first and second wireless telecommunications networks being connected together and the first and second sites being physically separate; and

a data link of which use is restricted between the first site access control unit and the second site access control unit, whereby data may be transferred between the first site access control unit and the second site access control unit; and

the first site access control unit comprising a database for storing information for identifying the identities of wireless terminals whose access information is stored by the second site access control unit, whereby the first site access control unit can access the second site access control unit by means of the data link in order to permit such terminals to make calls at the first site by means of the first base station and to permit calls to be routed from the first site to the second site over the data link.

5. (Original) An access control system according to claim 4, wherein the database is in the form of a look-up table.

6. (Original) An access control system according to claim 4, in which the access information for wireless terminals is in the form of an International Mobile Station Identity Code.

7. (Original) An access control system according to claim 4, in which the access information for wireless terminals is in the form of a Temporary Mobile Station Identity Code for allowing the first site access control unit to access the International Mobile Station Identity Code.

8. (Original) An access control system according to claim 4, in which the access information is temporarily stored at the first site for enabling the said terminals to make calls at the first site by means of the first base station.

9. (Original) An access control system according to claim 1, wherein the access control unit is operable to control network access for one or more wireless telecommunications networks.

10. (Original) An access control system according to claim 1, wherein if a call made at the first or second site is not made to a wireless terminal of either the first or second site, the call is routed via an external wireless telecommunications network.

11. (Original) An access control system according to claim 1, wherein the external wireless telecommunications network is a GSM network.

12. (Original) An access control system according to claim 8, wherein following the said temporary storage of access information, a cancellation procedure is performed to prevent calls to the said terminals being routed to the second site.

13. (Original) An access control system according to claim 1, in which each site falls within the coverage area of a different GSM network

14. (Original) An access control system as claimed in claim 13, wherein the GSM networks permit roaming of terminals therebetween.

Please add the following new claims.

15. (New) A method of controlling access in a wireless telecommunications system, which wireless telecommunications system comprises first and second wireless telecommunications networks connected together and located in physically separate respective first and second sites, the method comprising the steps of :

storing identities of wireless terminals at the second site in a first site link access control unit;

using the stored identities to permit a call made at the first site to wireless terminals at the second site to be routed from the first site to the second site over a data link of which use is restricted between the first network and the second network; and

connecting the said call between the first network and the second network over the data link.

16. (New) A method according to claim 15, wherein the step of connecting the said call comprises the step of connecting the said call between a first base station serving the first site and operable as part of the first wireless telecommunications network and a second base station serving the second site and operable as part of the second wireless telecommunications network, via the first and second wireless telecommunications networks.

17. (New) A method according to claim 15, wherein the identities of the wireless terminals each comprise a number identifying a terminal and a corresponding second site link access control unit address.

18. (New) A method according to claim 15, comprising the further step of storing identities of wireless terminals at the first site for permitting calls to such terminals made at the second site to be routed from the second site to the first site over the data link.

19. (New) A method for controlling access in a wireless telecommunications system which wireless telecommunications system comprises first and second wireless telecommunications networks connected together and located in physically separate respective first and second sites, the method comprising the steps of :

storing access information for wireless terminals in a first site access control unit serving the first site and operable as part of the first wireless telecommunications network, for permitting wireless terminals to make calls at the first site;

storing access information for wireless terminals in a second site access control unit serving the second site and operable as part of the second wireless telecommunications network, for permitting wireless terminals to make calls at the second site;

transferring data between the first site access control unit and the second site access control unit over a data link of which use is restricted between the first site access control unit and the second site access control unit;

storing in the first site access control unit information for identifying the identities of wireless terminals whose access information has been stored by the second site access control unit; and

accessing the second site access control unit by means of the data link in order to permit wireless terminals to make internal calls at the first site and to permit calls to be routed from the first site to the second site over the data link.

20. (New) A method according to claim 19, wherein wireless terminals can make calls at the first site by means of a first base station of the first wireless telecommunications network.

21. (New) A method according to claim 19, wherein wireless terminals can make calls at the second site by means of a second base station of the second wireless telecommunications network.

22. (New) A method according to claim 19, wherein the step of storing in the first site access control unit information for identifying the identities of wireless terminals whose access information has been stored by the second site access control unit comprises storing the said information in a database.

23. (New) A method according to claim 22, wherein the database is in the form of a look-up table.

24. (New) A method according to claim 19, wherein the step of storing in the first site access control unit information for identifying the identities of wireless terminals whose access information has been stored by the second site access control unit is carried out temporarily for enabling the said terminals to make calls at the first site.

25. (New) A method according to claim 24, comprising the further step of, following the step of temporarily storing the said information, performing a cancellation procedure to prevent calls to the said terminals being routed to the second site.

26. (New) A method according to claim 15, comprising the further step of, if a call made at the first or second site is not made to a wireless terminal of either the first or second site, routing the call via an external wireless telecommunications network.

27. (New) A method according to claim 26, wherein the external wireless telecommunications network is a GSM network.

28. (New) A method according to claim 15, in which each site falls within the coverage area of a different GSM network.

29. (New) A method as claimed in claim 28, wherein the GSM networks permit roaming of terminals therebetween.